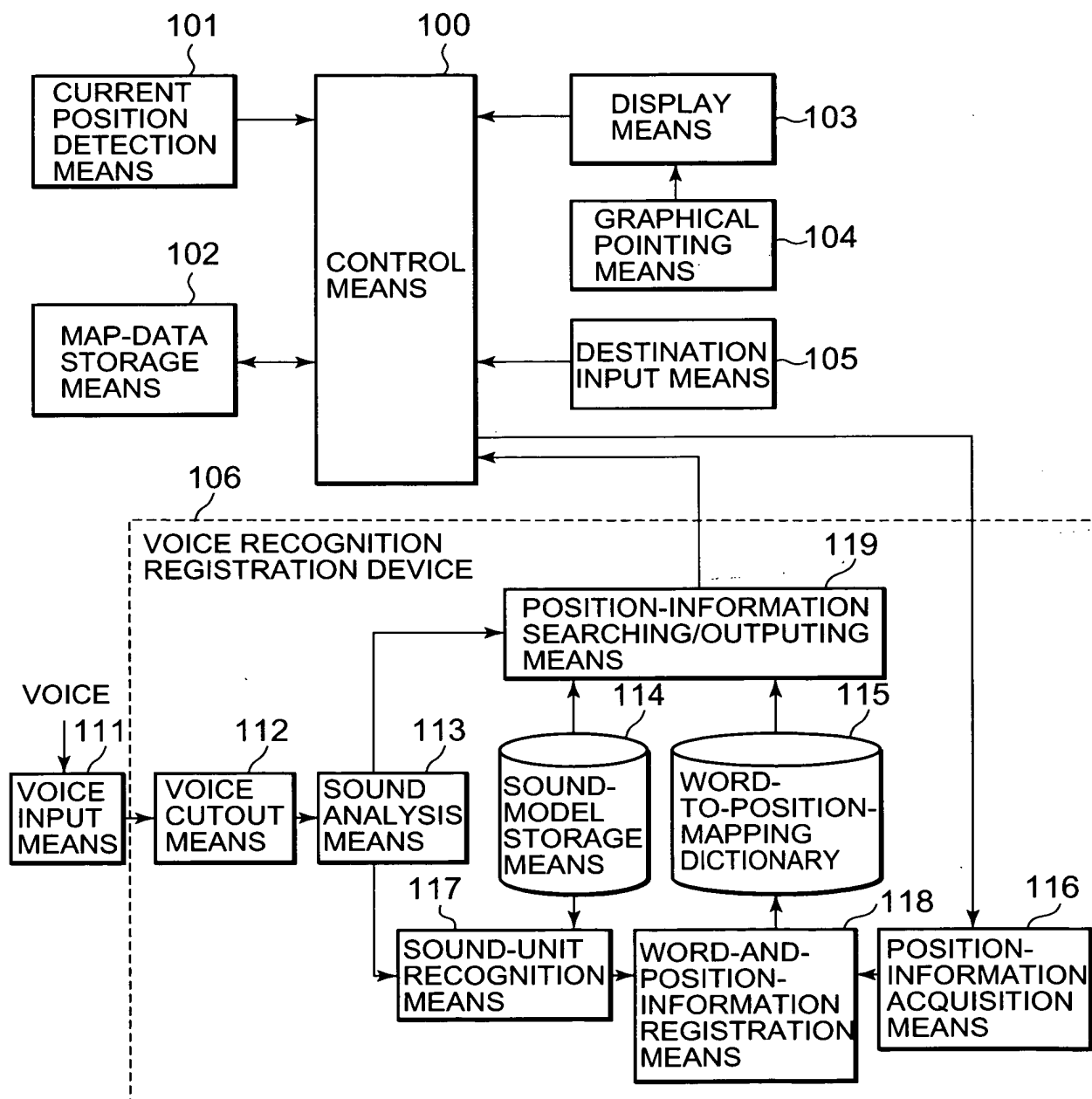


FIG. 1



2/13

FIG. 2

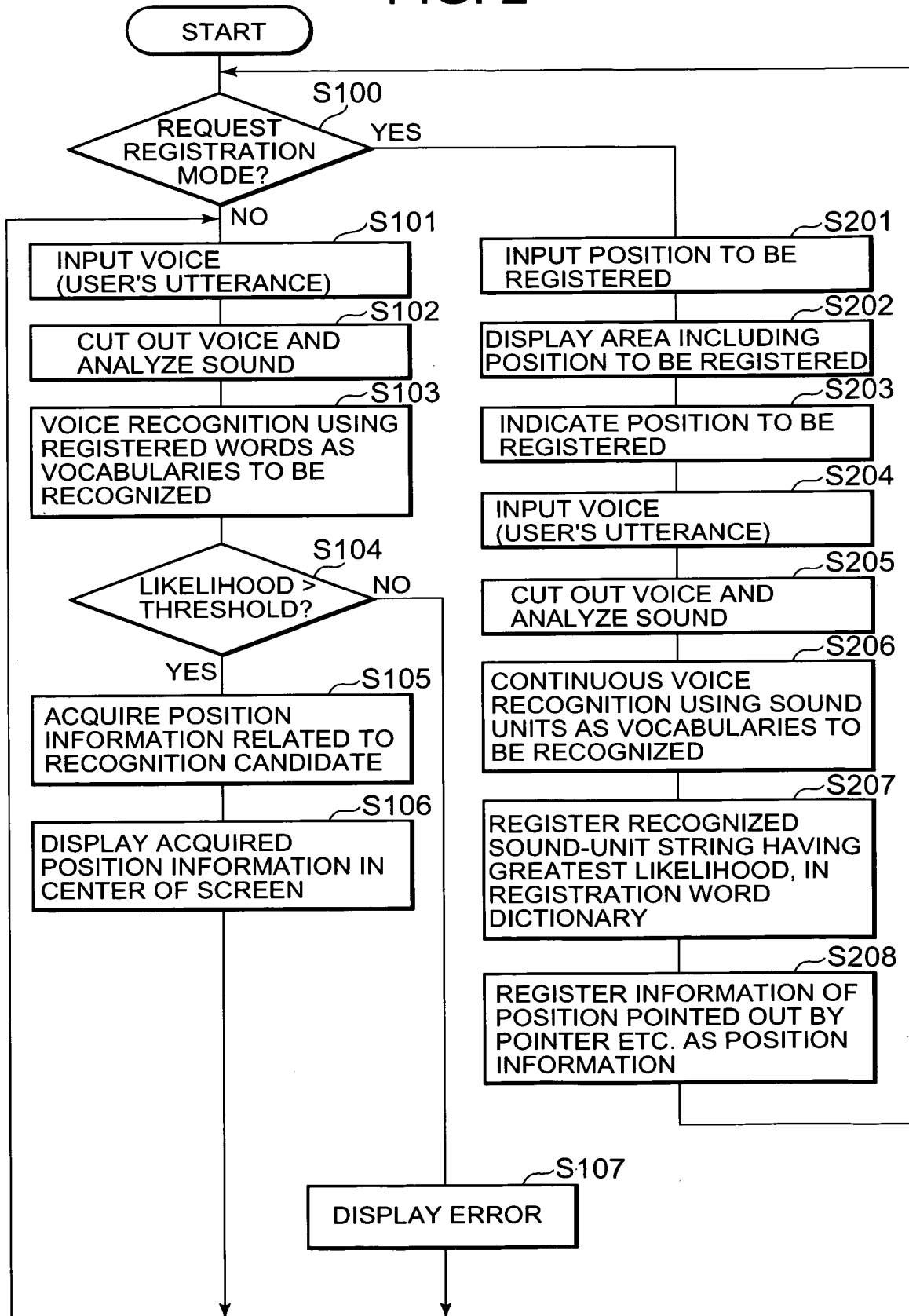


FIG. 3

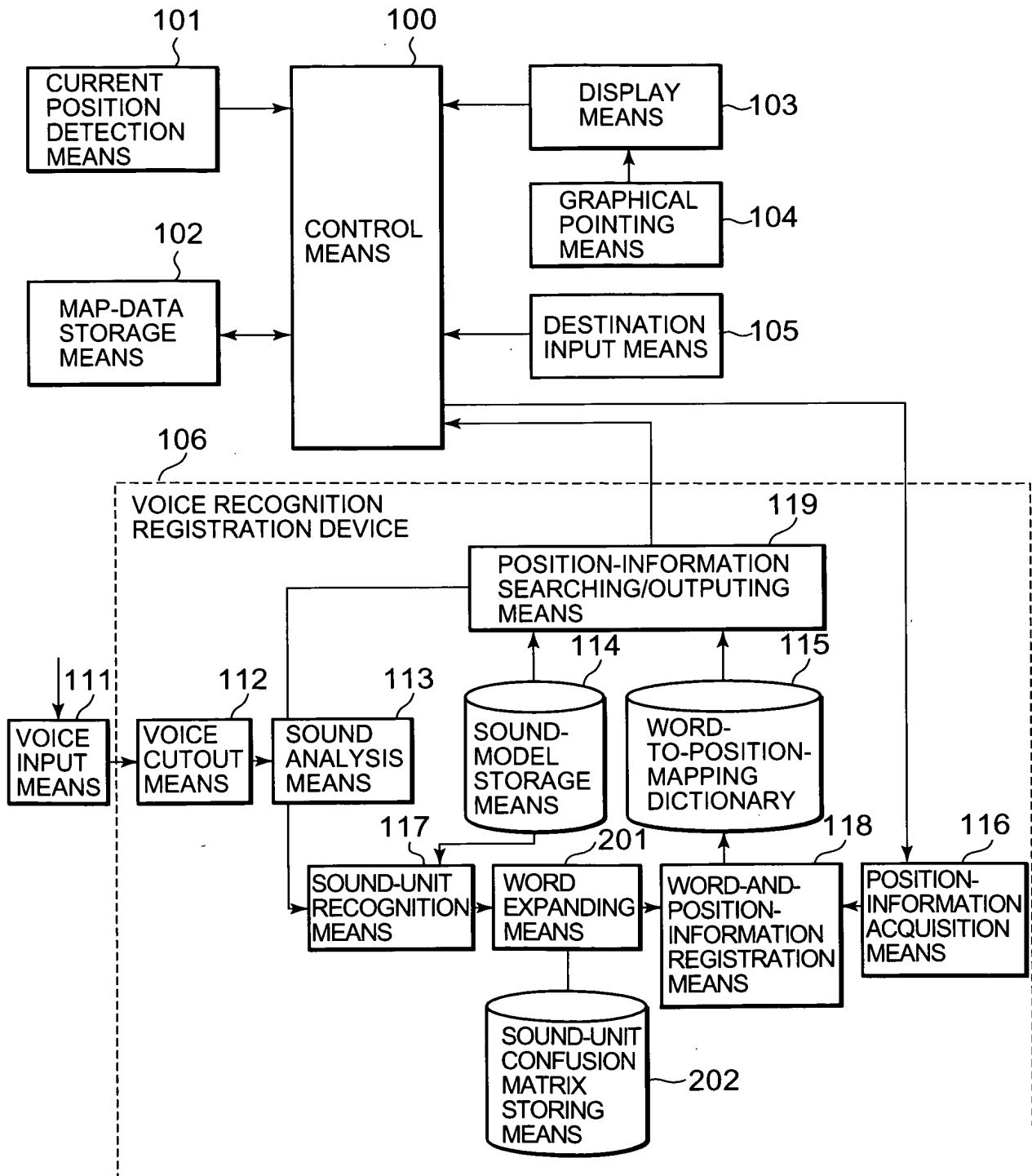


FIG. 4

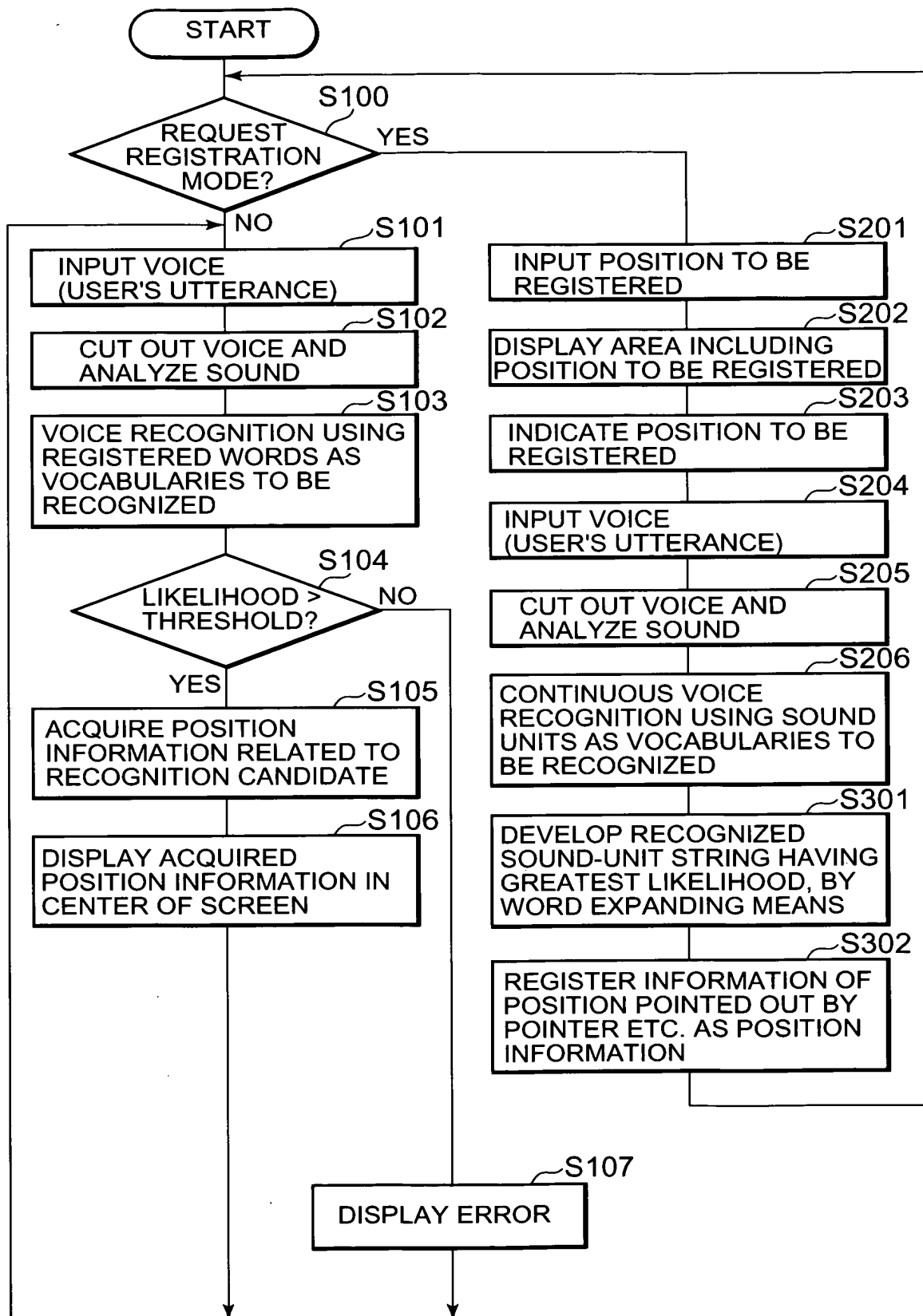


FIG. 5

RECOGNITION- RESULT SYLLABLES											
...	ka	ki	ku	ke	ko	...	ta	ci	tu	te	to
...
ka	0.92	...	...	...	...	...	0.04	...	...	...	...
ki	...	0.95	...	...	...	...	...	0.02	...	...	...
ku	0.91	...	...	...	...	...	0.01	...	...
ke	0.89	...	...	...	...	...	0.03	...
ko	0.99	...	...	...	...	...	0.04
...
ta	0.01	...	...	...	...	...	0.93	...	...	...	...
ci	...	0.01	...	...	...	...	...	0.98	...	...	...
tu	0.02	...	...	...	...	...	0.91	...	...
te	0.01	...	...	...	...	...	0.93	...
to	0.03	...	...	...	...	...	0.91
...

ACTUALLY
UTTERED
SYLLABLES

$P(\text{ta} | \text{ka}) = 0.01$
PROBABILITY THAT ta IS ACTUALLY UTTERED
ALTHOUGH RECOGNITION RESULT IS /ka/ IS 0.01

$P(a | b)$: CONDITIONAL PROBABILITY THAT UTTERED SYLLABLE IS a IN
CASES WHERE SYLLABLE b IS RECOGNIZED

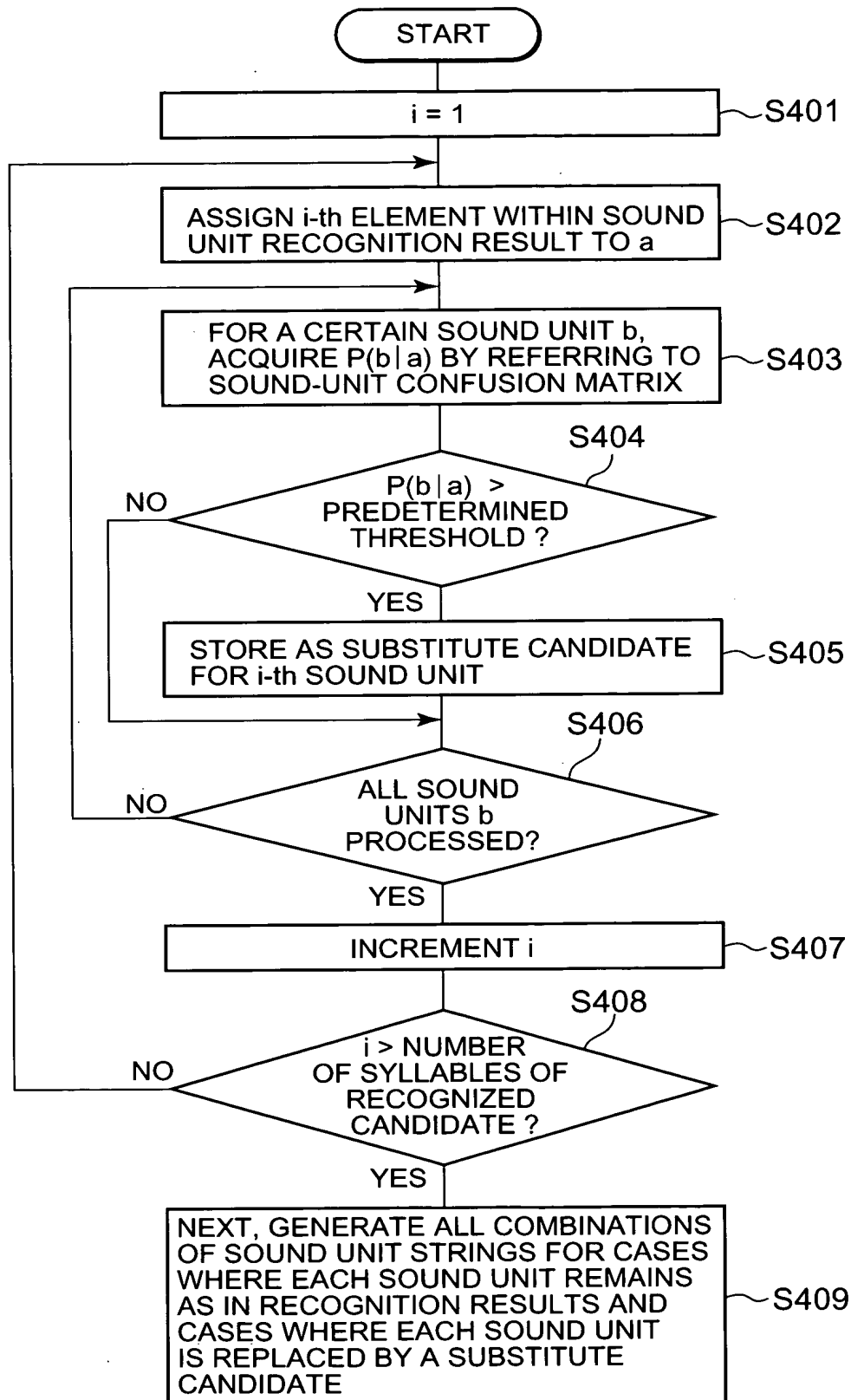
$P(a | b) = N(a) / M(b)$

$N(a)$: NUMBER OF CASES WHERE SYLLABLE a IS UTTERED AMONG
CASES RECOGNIZED AS SYLLABLE b

$M(b)$: CASES RECOGNIZED AS SYLLABLE b

6/13

FIG. 6



7/13

FIG. 7

RECOGNITION RESULTS
OF SOUND UNITS
SUBSTITUTE
CANDIDATES

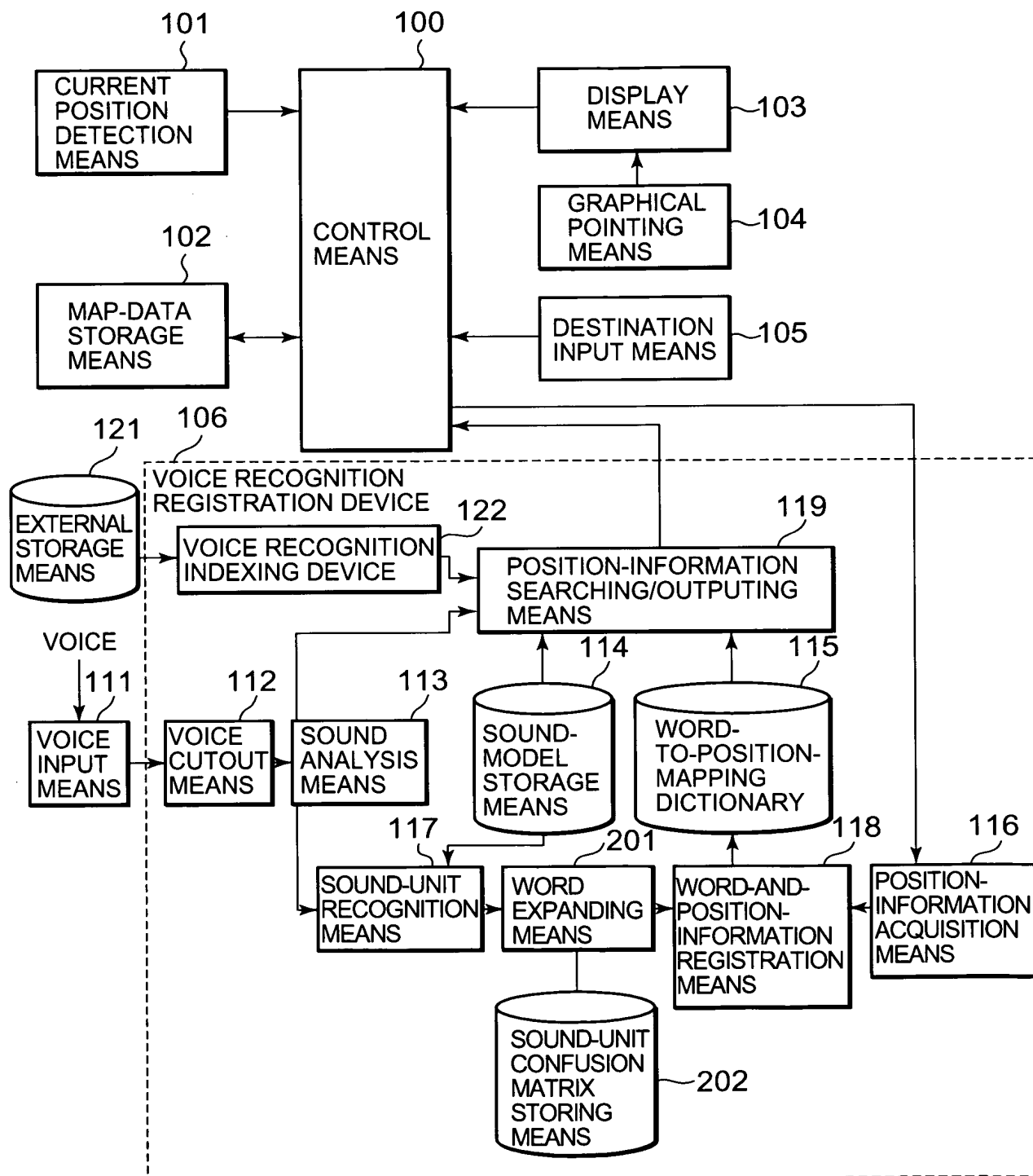
1	2	3	4	5
go	ru	cu	zo	o
		hu	jo	
		u		

EXAMPLE OF SUBSTITUTE CANDIDATES
FOR SOUND UNITS (SYLLABLES)

DEVELOPED WORDS

"gorucuzoo"
"goruhuzoo"
"goruuzoo"
"gorucujoo"
"goruhujoo"
"goruujoo"

FIG. 8



9/13

FIG. 9

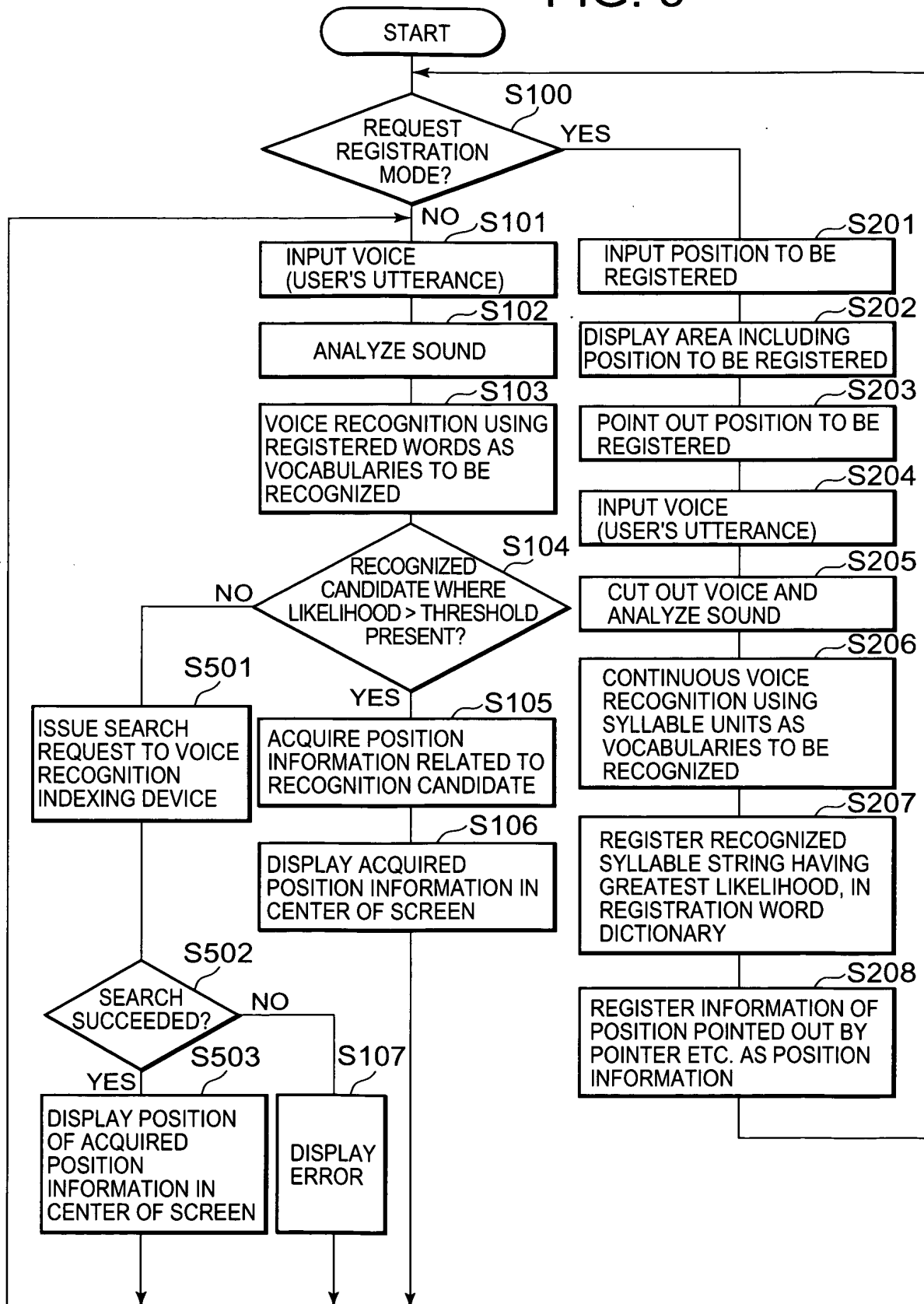


FIG. 10

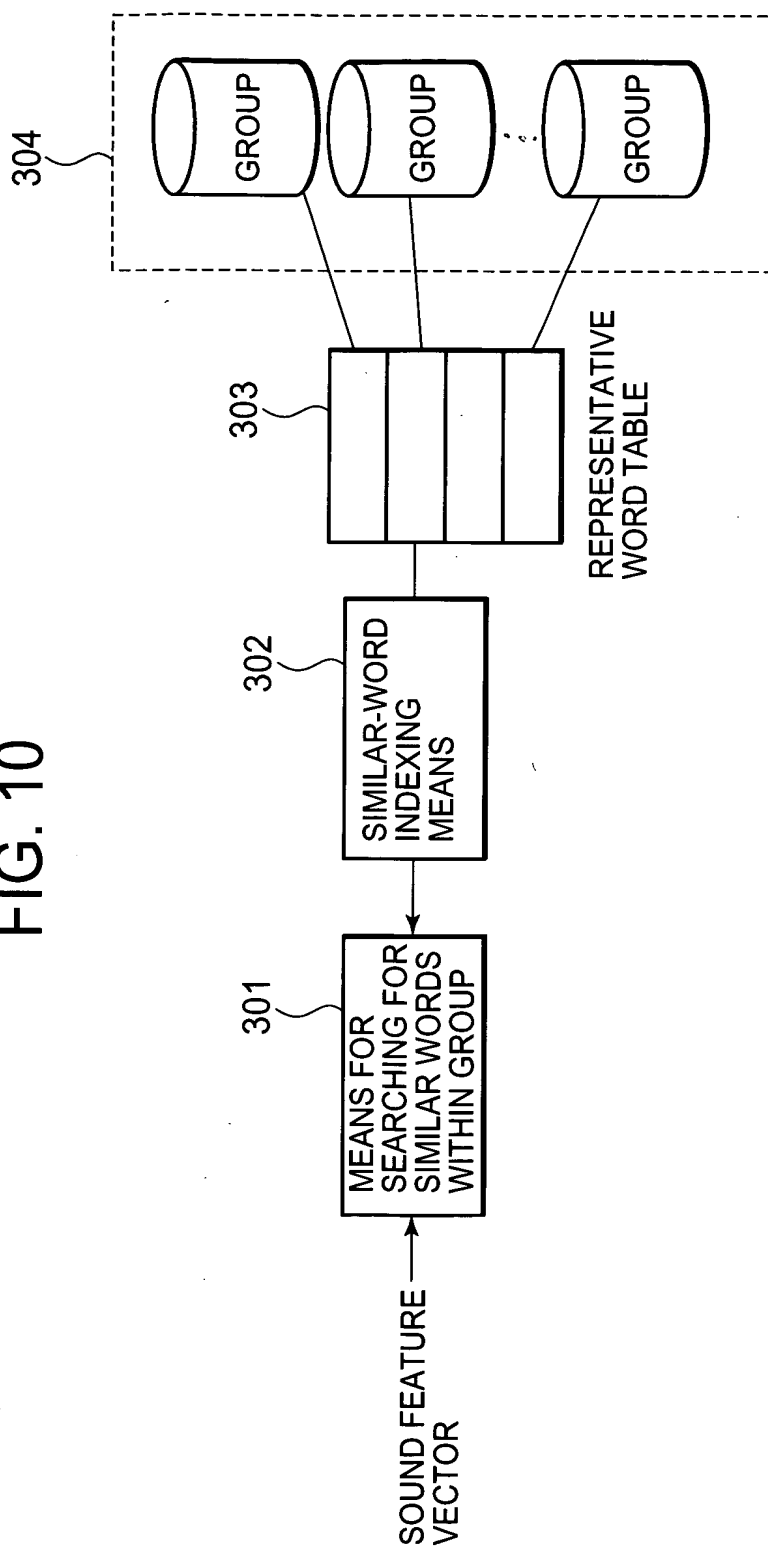
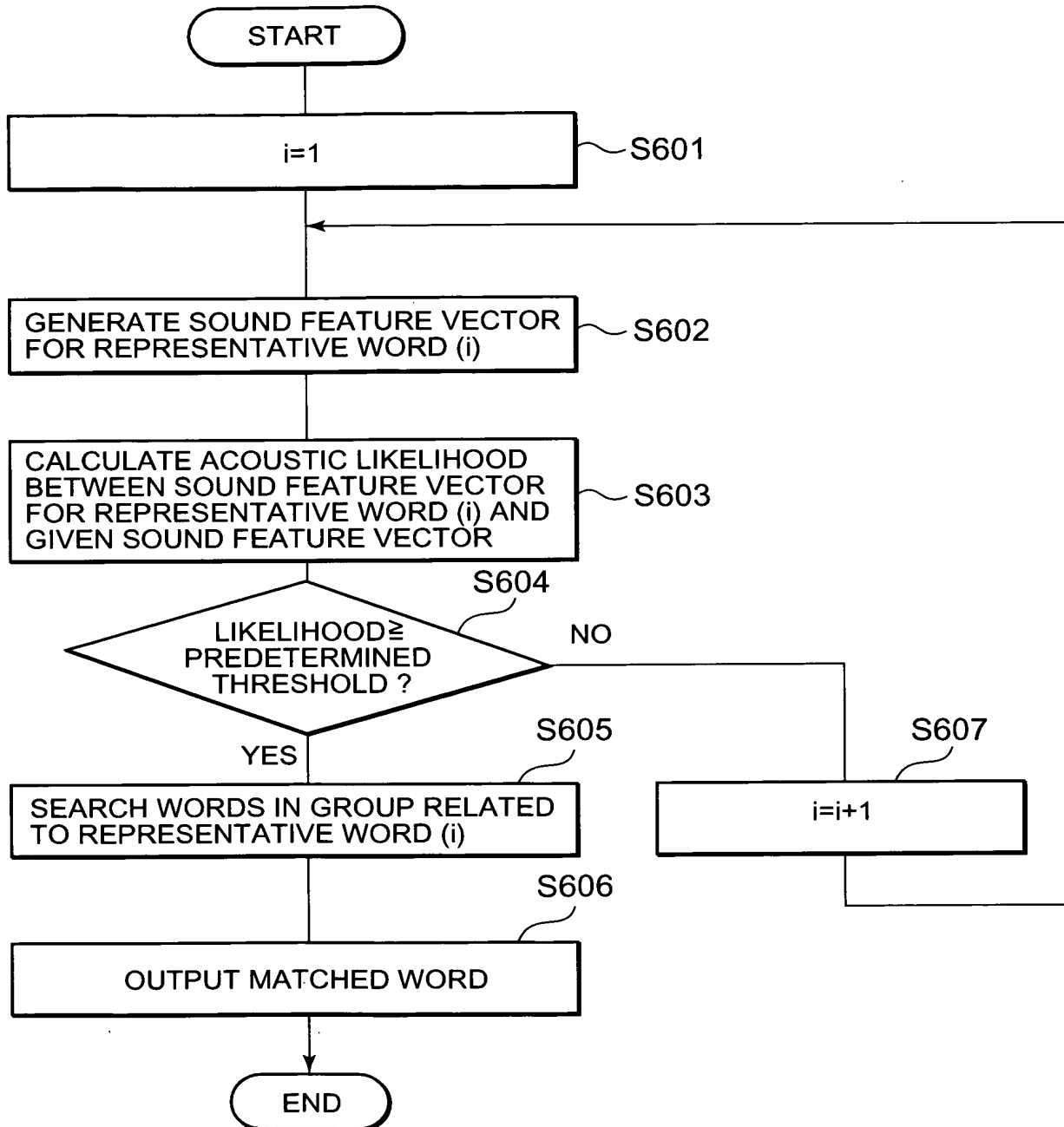


FIG. 11



12/13

FIG. 12

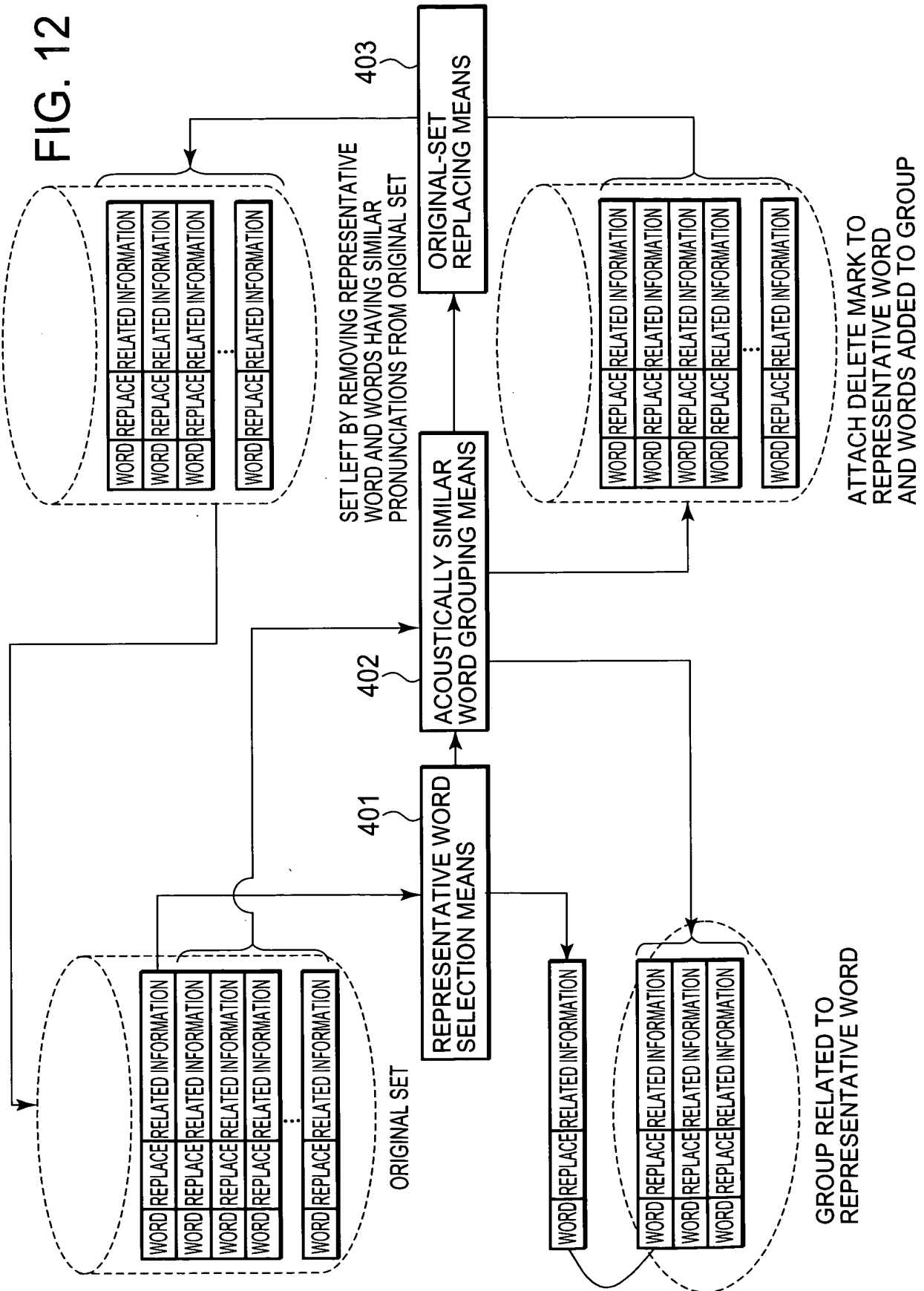


FIG. 13

